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(56) Documents cited

EP 0160098

EP 0058565

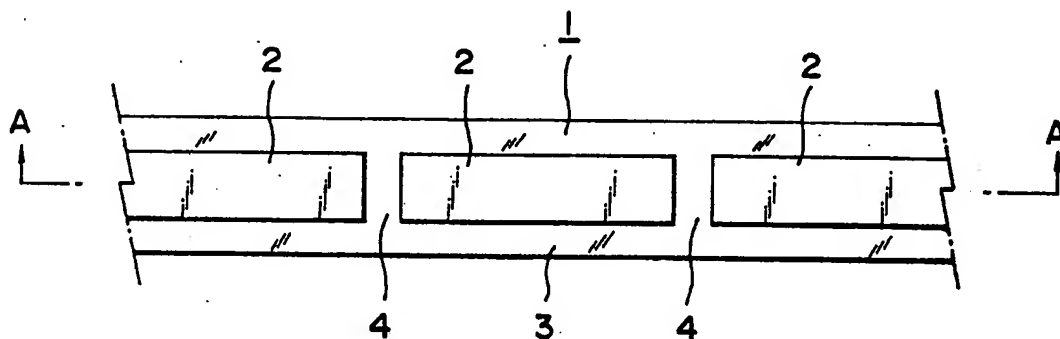
(58) Field of search

B6F

(54) Transprinting-type error correction tape

(57) A transprinting-type error correction tape wherein a transprinting film 2 is coated on one side of a base tape 1 comprises unconnected parts 4 of the film to allow for expansion of the film relative to the base.

FIG. 1



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FIG. 1

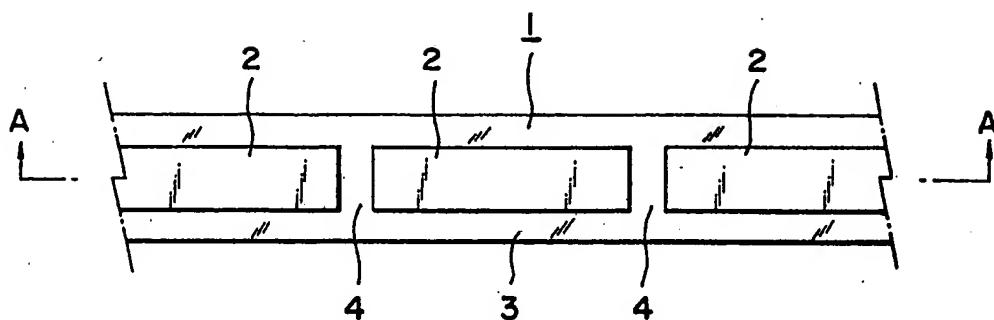


FIG. 2

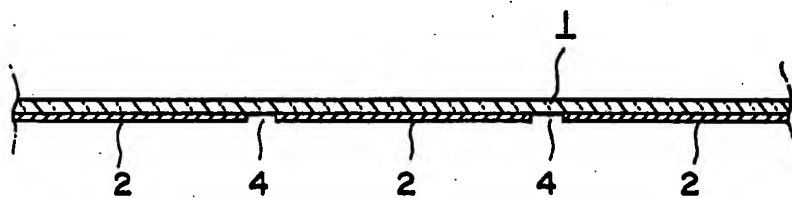


FIG. 3



SPECIFICATION

Transprinting-type error correction tape

- 5 The present invention relates to a transprinting-type error correction tape, and in particular the present invention relates to an error correction tape for deleting errors by placing, for example, a white film coated on one side of a base tape to an error part of a document, then rubbing the base tape to coat by transprinting the film onto the error from the base tape.

- There is known a transprinting-type error correction tape instead of the conventional transprinting-type error correction sheet. This transprinting-type error correction tape has a problem in that the film becomes longer than than base tape, especially upon manufacturing, caused by difference of physical characteristics between the base tape and the film creating useless waved film peeled off from a base tape as shown in Fig. 3.

- Viewed from one broad aspect the present invention provides a transprinting-type error correction tape comprising a transprintable film coated on one side of a base tape, wherein said film comprises a plurality of unconnected parts.

- 30 Preferably the film width is narrower than the base tape width, and the film is coated at the center of the base tape leaving margins on both sides of the base tape.

- In addition, it is convenient to have the unconnected parts at regular intervals.

An embodiment of the invention will now be described by way of example and with reference to the accompanying drawings, in which:-

- 40 *Figure 1* is a partial plan view of a transprinting-type error correction tape;

Figure 2 is a sectional view along line A-A in Fig. 1, and

- 45 *Figure 3* is similar to Fig. 2 showing the peeled state of a film of a conventional transprinting-type error correction tape.

- In the figures, 1 is a base tape made of polypropylene. A white film 2 is employed on one side of the said base tape. This film is provided with 3 layers, i.e., starting from the base tape side, a layer of pigment, titanium oxide and inorganic material, a layer of pigment and titanium oxide and a layer of pressure-sensitive adhesive. Characters, etc. can be written on the film 2 after transprinting and coating.

- The conventional base tapes and films are employable. It is desirable to have transparent or semi-transparent base tapes. A variety of film colours are selected depending on the colours of the document having errors.

- The film 2 is made narrower than the base tape 1 and coated at the center of the base tape 1. Accordingly, there exist margins 3 of constant width on both edges of the base

tape 1.

- The margins 3 are mainly for protecting documents from a ball-point pen, etc. so that the documents are not soiled by a ball-point pen moved out of the base tape when the base tape is rubbed by means of a ball-point pen to transprint and coat the film. On this margin, graduations can be employed to decide the tape length to be used and exactly grasp the deleting portion.

- However, this margin can be omitted by coating the film 2 all over the base tape width. For such tapes, use of a spatula, etc., i.e., other than writing tools, for rubbing the tape is preferred.

- On the film 2, 1 cm unconnected portions 3 are employed at 20 cm intervals. (note that the drawings are not to scale.)

- The peeling-off of the film occurs when the film becomes longer than the base tape after coating. The expanded length is absorbed at both ends of longitudinal direction of the error correction ape. However, when the error correction tape length exceeds its limit, expansion cannot be absorbed at both ends, then peeling-off occurs.

- In the transprinting-type error correction tape according to an embodiment of the present invention, expansion of the film is absorbed at the unconnected portions 4. Therefore, the unconnected portions are employed at regular intervals. The interval is decided according to the difference of expanding characteristics of the film 2 and the base. For the base tape and the film used in the present embodiment, a maximum of 1 cm unconnected portions at 50 cm intervals is enough. In addition, it is not necessary to make intervals for unconnected portions very short.

- The interval in the embodiment is 20 cm. This is chosen on the assumption that a line on letter-size paper is deleted at one time. The longer intervals, for example 50 cm, are acceptable. The tape and film widths and the margin width are selectable.

- Similarly to adhesive tapes, the error correction tape is generally reeled and stored in a tape dispenser. In use, the tape is drawn out by the necessary length from the tape dispenser. Conventional tape dispensers with well-known structures can be employed.

- On the margins of both sides of the tape, suitable graduations can be employed.

- The film, at least in embodiments of the present invention is not peeled off because the film expansion is absorbed at the unconnected portions owing to the above-mentioned structure.

- It is to be clearly understood that there are no particular features of the foregoing specification, or of any claims appended hereto, which are at present regarded as being essential to the performance of the present invention, and that any one or more of such features or combinations thereof may therefore

be included in, added to, omitted from or deleted from any of such claims if and when amended during the prosecution of this application or in the filing or prosecution of any
5 divisional application based thereon.

CLAIMS

1. A transprinting-type error correction tape comprising a transprintable film coated
10 on one side of a base tape, wherein said film comprises a plurality of unconnected parts.
2. A tape according to claim 1, wherein the film width is narrower than the base tape width, and the film is coated at the center of
15 the base tape.
3. A tape according to claim 1 or 2, wherein the unconnected parts are spaced at regular intervals.
4. A transprinting-type error correction
20 tape substantially as hereinbefore described with reference to Figs. 1 and 2 of the drawings.

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